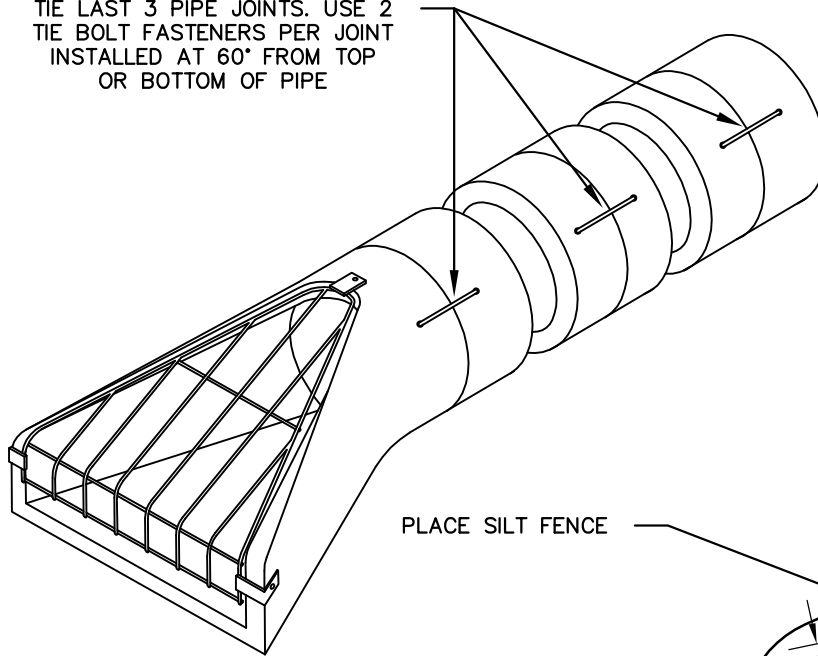


TIE LAST 3 PIPE JOINTS. USE 2
TIE BOLT FASTENERS PER JOINT
INSTALLED AT 60° FROM TOP
OR BOTTOM OF PIPE



PLACE SILT FENCE

NOTES:

RIP RAP AS SPECIFIED IN MNDOT STANDARD
SPECS. 2511.3 AND 3601.2.

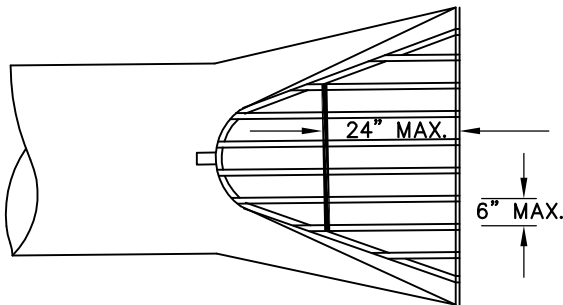
RIP RAP QUANTITY SHALL BE IN
ACCORDANCE WITH MNDOT STANDARD
PLATE 3133.

PROVIDE 3 CLIPS TO FASTEN TRASH GUARD
TO FLARED END.

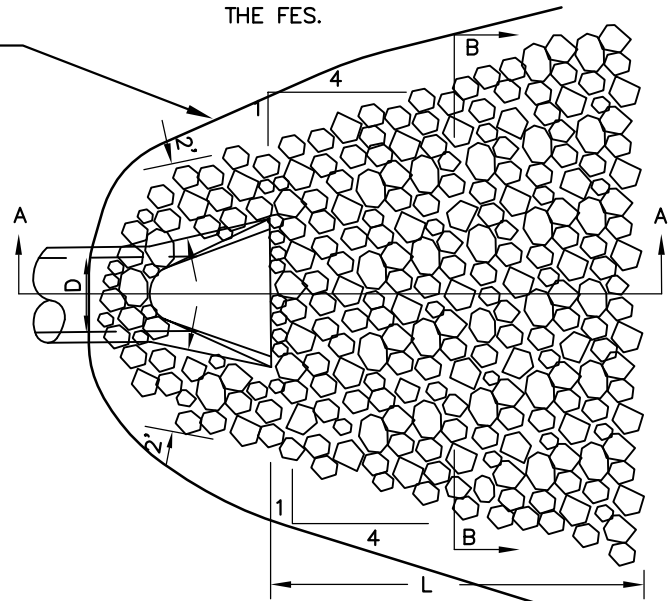
TRASH GUARD TO BE HOT DIP GALVANIZED
AFTER FABRICATION.

SIZED OUTLETS AT THE DISCRETION OF THE
ENGINEER.

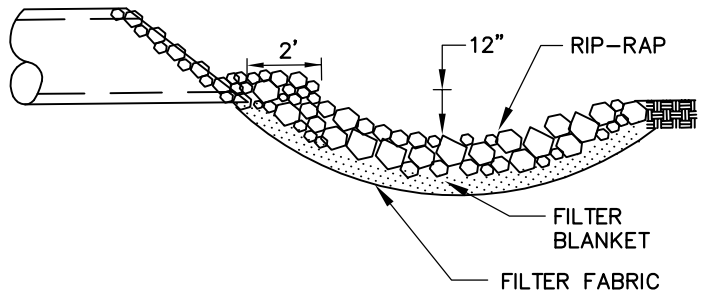
IF THE PLANS CALL FOR A HDPE FLARED
END SECTION THE CONTRACTOR SHALL
SUPPLY A STAINLESS STEEL THREADED
ROD, WASHERS AND WING NUTS INSTEAD
OF THE PLASTIC ONES THAT COME WITH
THE FES.



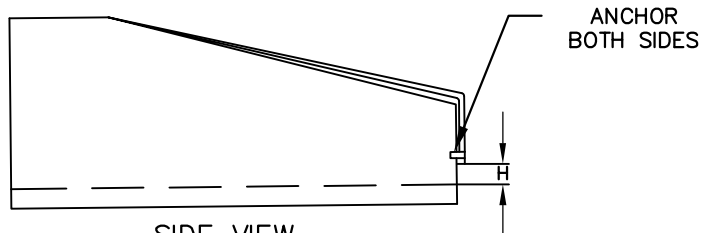
PIPE SIZE	BAR SIZE	"H"	BOLT SIZE
12" - 18"	3/4"Ø	6"	5/8"
21" to 42"	1"Ø	6"	3/4"
48" to 72"	1 1/4"Ø	12"	1"



PLAN VIEW

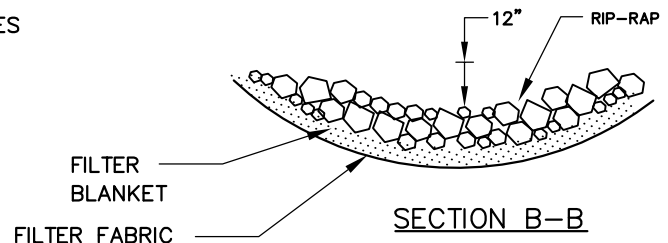


SECTION A-A



SIDE VIEW

ANCHOR
BOTH SIDES



SECTION B-B



LAST REVISION
NOVEMBER 2014

FLARED END SECTION

CITY OF MAPLE GROVE ENGINEERING
& PUBLIC WORKS DEPARTMENTS

STANDARD
PLATE #
STS-7